APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

(NY-5508)

Notes on the Economic Fish Fauna of the Yellow Sea and East China Sea, by Ch'eng Ch'ing-t'ai, 13 pp.

CHINESE, per, Hai-yang yu Hu-chao, Vol II, No 1, 1959, pp 53-60.

JPRS 7299

Sci - Geophys
Mar 61

142,011

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Questions Concerning Overall Forecast of Tide Flow, by Yu Fang-hu, Cheng I-fang, 39 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3, Jul 1959, pp 111-134.

JPRS 11859

Sci - Geophys

184, 947

Jan 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

(SF-1600)

Calculations of Numerical Value of Sea Currents Induced by Wind Within a Semi-Enclosed Sea Area, by Ho En-tien, Yu Fang-hu, Shen Ling-yun, 13 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3, Jul 1959, pp 136-144.

JPRS 11659

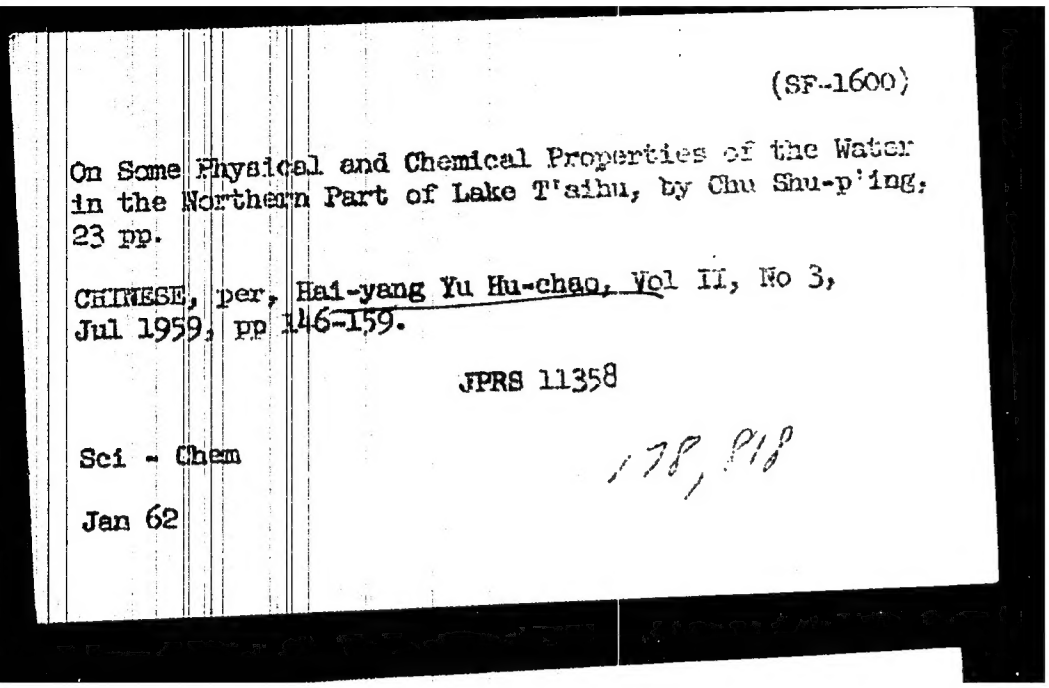
184, 942

Sci - Geophys

Jan 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(SF-1600)

On Some Physical and Chemical Properties of the Water in the Northern Part of Lake T'aihu, by Chu Shu-p'ing. 23 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3, Jul 1959, pp 146-159.

JPRS 11358

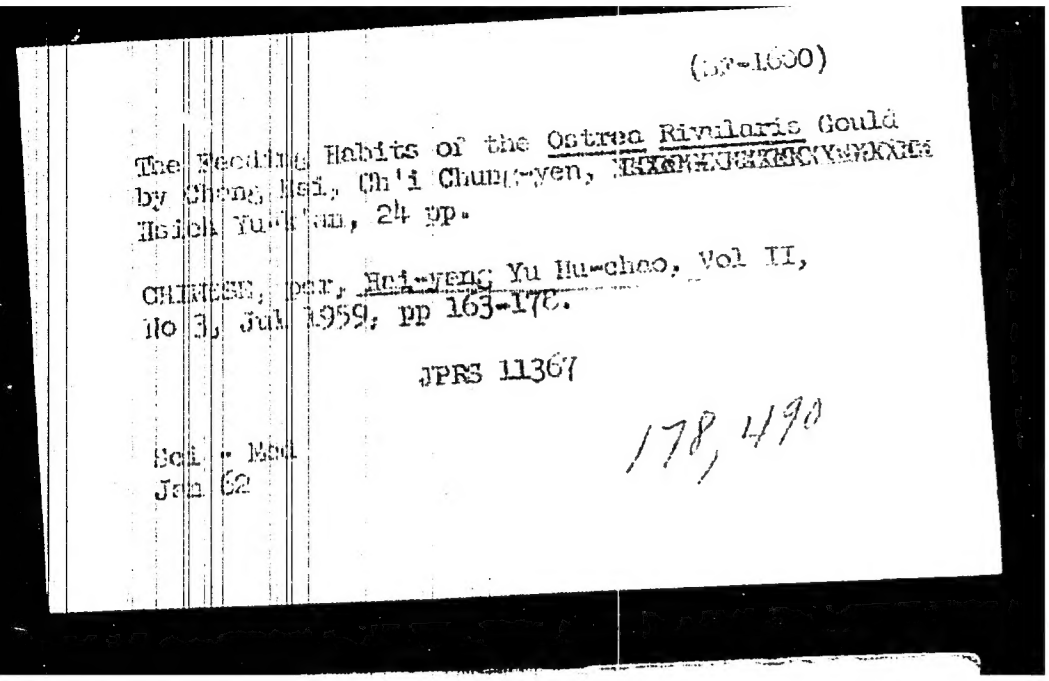
Sci - Chem

Jan 62

178, P18

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(USSR-1600)

The Feeding Habits of the Ostrea Rivularis Gould
by Chang Kai, Ch'i Chun-yen, [illegible]
Hsieh Yu-k'un, 24 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II,
No 3, Jul 1959, pp 163-170.

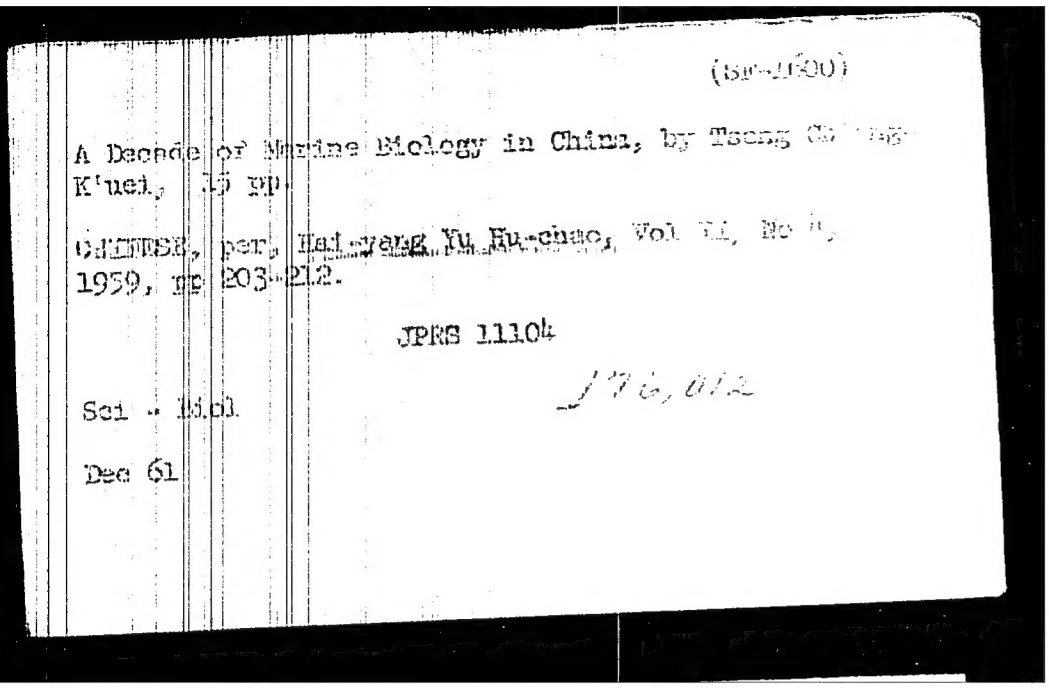
JPRS 11367

178,490

Sci - Mol
Jan 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(SF-1680)

A Decade of Marine Biology in China, by Tseng Ch[illegible] K'uei, 15 pp.

CHINESE, per, Hai-yang Yu Hu-chiao, Vol II, No 1, 1959, pp 203-212.

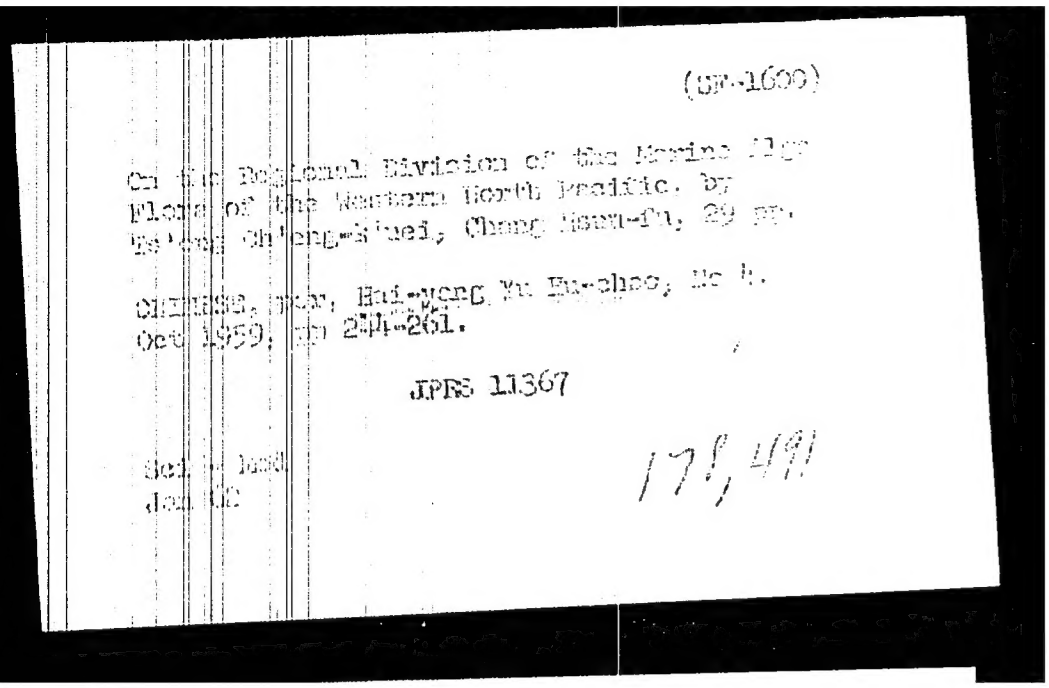
JPRS 11104

Sci - Tech

Dec 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(UF-1600)

On the Regional Division of the Marine Alg
Flora of the Northern North Pacific. by
Yendo, Okamura, Chiang-shued, Chang Hsun-fu, 29 pp.

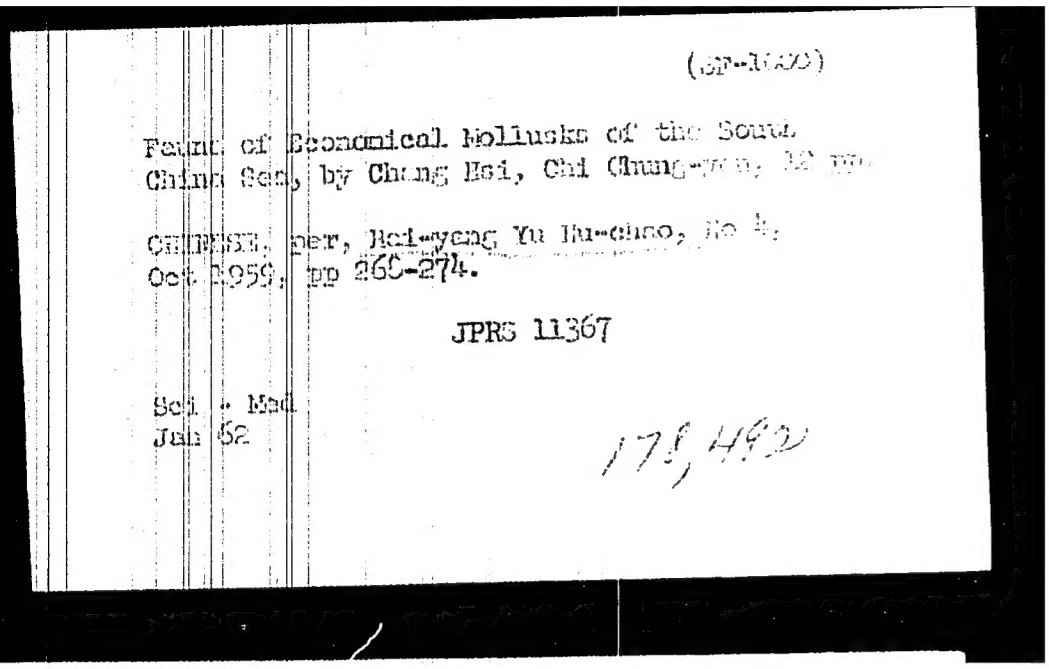
Chinese, Acta Bot. Hai-yang Yu Ho-chao, No 4,
Oct 1959, pp 254-261.

JPRS 11367

171,491

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(GP-11367)

Fauna of Economical Mollusks of the South China Sea, by Chang Hsi, Chi Chung-yeh, 12 pp

CHINESE, Hai-yang Yu Hu-chuo, No 4, Oct 1959, pp 268-274.

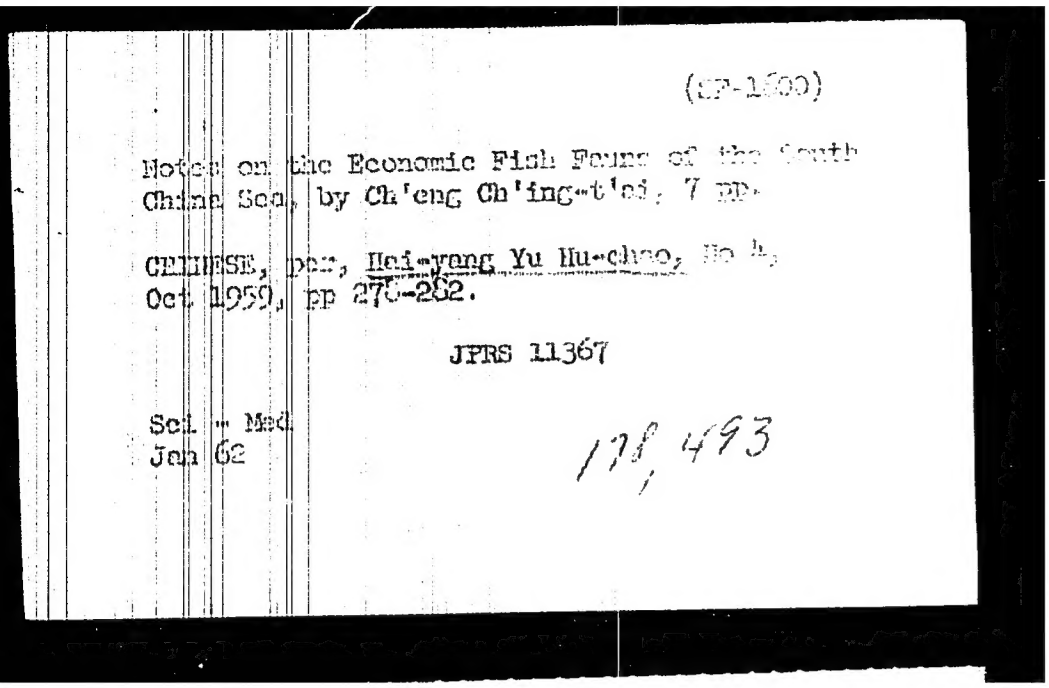
JPRS 11367

Sci + Mad
Jan 62

171,492

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5



(CF-1500)

Notes on the Economic Fish Fauna of the South China Sea, by Ch'eng Ch'ing-t'ai, 7 pp.

CHINESE, per: Hai-yang Yu Hu-chao, No 4, Oct 1959, pp 270-282.

JPRS 11367

Sci - Med
Jan 62

178,493

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Initial Study of the Relief and Bottom Sediment of the Continental Shelf of the East China Sea, by Ch'in Yun-shan, 25 pp.
CHINESE, per, Hai-yang Yu Hu-chao, Peking, Vol 5, No 1, Feb 1963, pp 71-85.
JPRS 50252

Sci-Ear Sci & Oceanog
Apr 70

405,500

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

A Preliminary Investigation on the Application of T-S Diagrams for a Quantitative Analysis of Watermasses in Shallow Water Areas, by Mao Han-li, Jen Yun-wu, 29 pp.
CHINESE, per. Hai-yang Yu Hu-chao, Peking, Vol 6, No 1, 1964, pp 1-21.
JPRS 50624

Sci-Ear Sci & Oceanog
Jun 70

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Further Investigation on the Form of Wind Wave Spectrum, by Wang Ping-hsiang, 23 pp. CHINESE, per, Hai-yang Yu Hu-chao, Peking, Vol 6, No 1, Feb 1964, pp 23-37. JPRS 50564

Sci-Ear Sci & Oceanog
Jun 70

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

A Review of Research and CDevelopment of Acoustics of the Sea, by You Yaur-hu, 25 pp. CHINESE, per, Hai-yang Yu Hu-Chao, Vol XI, No 1, Feb 1964, pp 109-119.
JPRS 26103

Sci - B & M
Aug 64

265,936

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

One Type of Vertical Distribution of Components in Tidal Currents of Shallow Seas, by Ch'en Tsung-yung, 12 pp.
CHINESE, per, Hai-yang Yu Hu-chao, Peking, Vol 6, No 3, 1964, pp 252-259.
JPRS 50483

Sci-Ear Sci
May 70

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Character of Energy Exchange Between Sea and Atmosphere of North Pacific, by Ch'en En-Chiu, Chang P'i-yuan, 19 pp.
CHINESE, per. Hai-yang yu Hu-chao, Peking, Vol 6, No 4, Nov 1964, pp 350-363.
JPRS 50675

Sci-Ear Sci
June 70

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Advance in Comparative Biochemistry of Marine Bioluminescence, by Hsueh T'ing-yao, 20 pp. CHINESE, per. Hai-yang Yu Hu-chao, Peking, Vol 6, No 4, 1964, pp 423-432. JPRS 50564

Sci-Ear Sci & Oceanog
Jun 70

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Ueda, Ryuzo, Terajima, Takane, and Okuda, Takashi.
POLYMER COMPOSITION OF COMMERCIAL LACTIC ACID. Rept. 11 [of] Studies on the Utilization of Fermented Lactic acid. [1963] 7p 11refs
Order from SLA $1.10 63-18904

Trans. of Hakko Kogaku Zasshi (Japan) 1958, v. 36, p. 368-371.

DESCRIPTORS: *Lactic acid, *Polymers, Separation, *Chromatographic analysis, Impurities.

Partition chromatography was conducted according to R. Montogomery s method (J. Am. Chem. Soc. 74: 1466, 1952), and it was seen that the polymers in lactic acid water solution could be determined more or less completely. The polymer composition of edible grade lactic acid demonstrated 57 ~ 62% monomer, 20 ~ 23% dimer, 4 ~ 7.5% trimer, and trace ~ 7% tetramer, and total acidity was 87 ~ 93%. The lactic
(Chemistry, TT, v. 10, no. 11) (over)

63-18904

I. Ueda, R.
II. Terajima, T.
III. Okuda, T.
IV. Studies ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Ueda, Ryuzo and Terajima, Takane.
CHANGES OF LACTIC ACID POLYMERS BY DILUTION. Rept. 12 [of] Studies of the Utilization of Fermented Lactic Acid. [1963] 7p 3refs
Order from SLA $1.10 63-18905

Trans. of Hakko Kogaku Zasshi (Japan) 1958, v. 36, p. 371-374.

DESCRIPTORS: *Condiments, Taste, *Lactic acid, *Polymers, Solutions, Hydrolysis, Chemical equilibrium.

Changes of lactic acid polymers when edible grade lactic acid (87.20%) was diluted to various concentrations with distilled water were examined. When left at room temperature, at 5% concentration the trimer existed for at least 30 days and even after 40 days still a fairly large amount of dimer existed, and equilibrium
(Food, TT, v. 10, no. 12) (over)

63-18905

I. Ueda, R.
II. Terajima, T.
III. Title: Studies . . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung, Tu, Tsung-ming, and Chen, Lin-tsung].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. I. EXAMINATION OF POWERFUL KIND OF BACTERIA. [1963] 9p. (tables omitted) 11 refs.
Order from SLA $1.10 63-16189

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 295-298].

DESCRIPTORS: *Glutamic acid, *Fermentation, Bacteria, Biosynthesis, *Micrococcus, *Culture media.

For the purpose of carrying out a basic study on the manufacture of glutamic acid, the authors collected the samples from a wide area of farms, paddy fields, and factories in Taiwan, and tried the isolation of powerful bacteria therefrom. From among 94 kinds obtained by the first screening, 16 kinds were selected as being

(over)

(Biological Sciences--Microbiology, TT, v. 10, no. 11)

63-16189

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
I. Chen, Chih-tsung
II. Tu, Tsung-ming
III. Chen, Lin-tsung
IV. Title: Examination...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Chen, Lin-tsung].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. II. COMPOSITION OF THE CULTURE GROUNDS. 1. ON THE SOURCE OF CARBON. [1963] 7p. (tables omitted) 3 refs.
Order from SLA $1.10 63-16190

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 298-301].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Biosynthesis, Carbon, Bacteria, Glucose, *Micrococcus.

As a result of the examination concerning the applicability of several carbon sources on bacteria No. 1942, it was discovered that glucose and sucrose are good. As the glucose sources, either the hydrochloric acid or sulfuric acid, saccharified solutions of cassava (Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16190

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
I. Chen, Chih-tsung
II. Chen, Lin-tsung
III. Title: Composition...
IV. Title: On...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Tu, Tsung-ming].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. III. COMPOSITION OF THE CULTURE GROUND. 2. ON THE SOURCE OF NITROGEN. [1963] 6p. (tables omitted) 5 refs.
Order from SLA $1.10 63-16191

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 301-304].

DESCRIPTORS: *Glutamic acid, *Fermentation, Bacteria, *Micrococcus, Nitrogen, *Culture media, Biosynthesis.

As a result of the examination of the applicability of several kinds of nitrogen sources for bacteria No. 1942, it was recognized that urea, $(NH_4)2SO4$ and NH_4Cl are good. Mixtures of urea and $(NH4)2SO4$ or NH4Cl were used as the nitrogen sources which might kill the
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16191

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
I. Chen, Chih-tsung
II. Tu, Tsung-ming
III. Title: Composition ...
IV. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Shen, Wen-kwei].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IV. COMPOSITION OF THE CULTURE GROUND. 3. ON THE PROMOTOR SUBSTANCES. [1963] 5p. (tables omitted) 4 refs.
Order from SLA $1.10 63-16192

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 304-307.

DESCRIPTORS: *Glutamic acid, *Fermentation, Biosynthesis, *Culture media, Bacteria, Micrococcus, Proteins.

Examinations were made concerning the promotor effects of the hydrochloric acid decomposed solutions of the blan cake, peanut cake and casein on the production of glutamic acid by bacteria No. 1942. As a result of these examinations, it was found that the decomposed solution of peanut cake (PCH) is the best. The most

(over)

(Biological Sciences--Microbiology, TT, v. 10, no. 11)

63-16192

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
I. Chen, Chih-tsung
II. Shen, Wen-kwei
III. Title: Composition ...
IV. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Chen, Hwan-feng].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. V. COMPOSITION OF THE CULTURE GROUND. 4. ON THE PROMOTOR SUBSTANCES. [1963] 5p. (tables omitted) 4 refs.
Order from SLA $1.10 63-16193

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 307-309].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Stimulation, Biosynthesis, *Micrococcus, Bacteria, Vitamin B complex.

The promotor effects of biotin in the production of glutamic acid are conspicuous. The most suitable concentration of biotin is in the range between 2 and 3 (gamma) per liter. The use of PCH alongside shows no particular difference from the use of biotin and PCH (Biological Sciences—Microbiology, TT, v. 10, no. 11) (over)

63-16193

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
I. Chen, Chih-tsung
II. Chen, Hwan-feng
III. Title: Composition ...
IV. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Shen, Wen-kwei].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. VII. ON THE PRE-CULTURE AND THE AMOUNT OF INJECTIONS. [1963] 5p. (table omitted).
Order from SLA $1.10 63-16195

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 311-313.

DESCRIPTORS: *Glutamic acid, *Fermentation, Biosynthesis, *Culture media, Injection, *Micrococcus, Bacteria.

As a result of a test conducted by using a culture solution consisting of glucose 2.0, urea 0.2, $(NH_4)_2SO_4$ 0.2, KH_2PO_4 0.2, $MgSO_4 \cdot 7aq.$ 0.04 and $FeSO_4$ 0.01 per cent as the basic culture ground for the pre-culture and adding PCH or biotin as the promotor substance, it was observed that 4 per cent of PCH or

(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16195

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
I. Chen, Chih-tsung
II. Shen, Wen-kwei
III. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Chen, Hwan-feng].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. VIII. ON THE METHOD FOR THE PRESERVATION OF BACTERIA. [1963] 5p. (tables omitted) 1 ref.
Order from SLA $1.10 63-16196

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 314-315.

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Bacteria, Preservation, *Micrococcus, Biosynthesis.

As for the isinglass slant cultures for the preservation of bacteria, those with an addition of 1.0 per cent of meat extract, 1.0 per cent of peptone, and 0.5 per cent of NaCl or those with the same additions plus an addition of 0.25 per cent of glucose are proper. Inas-
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16196

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
I. Chen, Chih-tsung
II. Chen, Hwan-feng
III. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung, Tu, Tsung-ming, and Chen, Lin-tsung].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IX. ON THE ADJUSTMENT OF pH. [1963] 5p. (tables omitted) 5 refs.
Order from SLA $1.10 63-16197

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 315-318].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Bacteria, Biosynthesis, Micrococcus, Growth, *Hydrogen ion concentration.

As a result of the test for the determination of the most suitable pH for the production of glutamic acid by bacteria No. 1942, it was observed that good results are obtained when pH is 7.0 at the time of the initiation of the culture when pH is constantly adjusted to remain
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16197

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
I. Chen, Chih-tsung
II. Tu, Tsung-ming
III. Chen, Lin-tsung
IV. Title: On ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung, Shen, Wen-kwei, and Chen, Hwan-feng].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. X. ON Kd (OXYGEN ABSORPTION RATE CONSTANT). [1963] 6p. (figs. tables omitted) 14 refs. Order from SLA $1.10 63-16198

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 318-321].

DESCRIPTORS: *Glutamic acid, *Fermentation, Biosynthesis, *Culture media, *Oxygen consumption, Bacteria, Absorption (Biology), *Micrococcus.

As a result of a test conducted for the determination of the relationship between Kd and the amount of the production of glutamic acid by bacteria No. 1942, by changing Kd through a change in the solution in an agitation culture using a triangular flask of a capacity of
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16198

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
I. Chen, Chih-tsung
II. Shen, Wen-kwei
III. Chen, Hwan-feng
IV. Title: On . . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Huang, Tsung-fu].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. XI. ISOLATION OF GLUTAMIC ACID IN FERMENTATION SOLUTION, 1. [1963] 7p. (tables omitted) 3 refs.
Order from SLA $1.10 63-16199

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 322-324].

DESCRIPTORS: *Glutamic acid, *Fermentation, Separation, *Culture media, Biosynthesis, Bacteria, *Micrococcus, Chlorides, Chemical precipitation.

As for the methods for the separation of glutamic acid from the fermentation solution, tests were carried out on the method of educing glutamic acid from a concentrated broth at its isoelectric point and on the method for separating glutamic acid in the form of a hydro-
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16199

I. Chen, Chih-tsung
II. Huang, Tsung-fu
III. Title: Isolation ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

[Chen, Chih-tsung and Huang, Tsung-fu].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. XII. [ISOLATION] OF GLUTAMIC ACID IN THE FERMENTATION SOLUTION, 2. [1963] 7p. (figs. tables omitted) 12 refs.
Order from SLA $1.10 63-16200

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37, no. 8, p. 324-327].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Separation, Bacteria, *Micrococcus, Electrodialysis.

The result of a test which was conducted on the concentration of the glutamic acid fermentation solution by the electrolytic dialysis is given. By using an electrolytic cell using the positive ion exchange films and the negative ion exchange films alternately as
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16200

I. Chen, Chih-tsung
II. Huang, Tsung-fu
III. Title: Isolation ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

Nikai, S.
CAUSES AND PREVENTION OF MILDEW ON BAMBOO WARES. XII. TESTS ON A PILOT-PLANT SCALE FOR IMPREGNATING BAMBOO STEMS WITH A NA-PENTACHLOROPHENOLATE SOLUTION UNDER PRESSURE, PT. 1. [1961] 8p.
Order from ATS $11.25 ATS-80N56J

Trans. of Hakko Kogaku Zasshi (Japan) 1960, v. 38, no. 3, p. 131-135.

DESCRIPTORS: *Bamboo, *Mildew, *Fungusproofing, Impregnation, Sodium compounds, Chlorides.

(Biological Sciences--Botany, TT, v. 7, no. 5)

62-12211

I. Nikai, S.
II. Title: Tests . . .
III. ATS-80N56J
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000200970050-5

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Tsumori, Hiroshi, Nakajima, Junichi and others.
AUTOMATIC CONTROL OF pH IN SODIUM GLUCONATE PRODUCTION FROM GLUCOSE BY ASP. NIGER. [1962] 11p. (5 figs. 2 tables omitted) 9 refs.
Order from SLA $1.60 62-14603

Trans. of [Hakko Kogaku Zasshi] (Japan) 1961, v. 39, no. 6, p. 328-[332].

DESCRIPTORS: *Gluconates, *Hydrogen ion concentration, *Sodium compounds, *Fermentation, *Glucose, *Molds.

An automatic pH control system was employed in the production of gluconic acid by fermentation of glucose in the presence of Asp. niger. The pH of the fermentation solution could be maintained at 6.5 ± 0.05 throughout the fermentation period. The system possessed the following features. The solution was circu-
(Engineering-Chemical, TT, v. 8, no. 9) (over)

62-14603
I. Tsumori, H.
I. Tsumori, H.
II. Nakajima, J.

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Studies onthe Enzymes Produced by Trametes Sanguinea. Part II. Partial Purification and Fractionation of the Cellulolytic Enzyme System of Trametes, by K. Nara.
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 410-414.
NTC 69-10730-06A

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Studies ontehe Enzymes Produced by Trametes Sanguinea. Part 1. Hydrolytic Enzymes in Crude Preparation and Its Application for Digestion of Animal Feeds, by T. Fugino, K. Nara.
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 405-409.
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Studies on the Production of Reductones by Microorganisms. Pt. 1. Production and Separation of Reductones Produced by Aspergilli, by T. Tokuyama, S. Kawate, S. Omata, 8pp
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964, No 5, pp 288-293
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Studies on the Production of Reductones by Microorganisms. PT 2. Influence of Culture Conditions on the Production of Reductones by Aspergilli, by T. Tokuyama, S. Kawate, S. Omata, 7pp
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964, No 5, pp 294-297
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Oshima, M.
DEVELOPMENT OF NEW WOOD-CHEMICAL INDUSTRY. [1962] 14p.
Order from SLA $1.60 62-18691

Trans. of Hakko Kyokaishi (Japan) 1959, v. 17, no. 5, p. 201-206.

DESCRIPTORS: *Chemical industry, *Wood, Glucose, Xylose, Fermentation, Lignin, Wastes (Industrial), Economics.

(Engineering--Chemical, TT, v. 9, no. 10)

62-18691

1. Oshima, M.

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Usami, S. and others.
INDUCED MUTATIONS OF ASPERGILLUS NIGER BY NITROGEN MUSTARD TREATMENT. Apr 62, 6p. (7 figs. 2 tables omitted) 6 refs.
Order from SLA $1.10 62-16616

Trans. of Hakko Kyokaishi (Japan) 1960, v. 18, no. 5, p. 7-12.

DESCRIPTORS: *Mutations, *Molds, *Nitrogen mustards, Genetics, Morphology, Enzymes, Acetic acids, Proteases.

From nitrogen mustard treatment of a parent strain, Aspergillus niger WU-2223L, which is high in acetic acid-producing ability, about 370 artificial mutants were obtained. Among these, there were some which were more powerful in the production of acid and proteinase. No correlation was observed between the type of mutation and the physiological property, but it was found that
(Biological Sciences--Microbiology, TT, v. 9, no. 3)
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I. Usami, S.

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Iwamoto, H.
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Order from ATS $8.00 ATS-22R75J

Trans. of Hakko Kyokaishi (Japan) 1961, v. 19 p. 401-404.

(Chemistry, TT, v. 12, no. 2)

TT-64-22090

I. Iwamoto, H.
II. Title: Antifungal...
III. Title: Organotin...
IV. ATS-22R75J
V. Associated Technical Services, Inc., East Orange, N. J.

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Enzymation of Protein by Microbial Protease and Its Utilization. Part I. Digestion of Protein by Various Acid Proteases, by M. Sakamoto, Y. Kozima.
JAPANESE, per, Hakko Kyokaishi, Vol 22, No 8, 1964, ppp 375-379.
NTC 69-10806-06A

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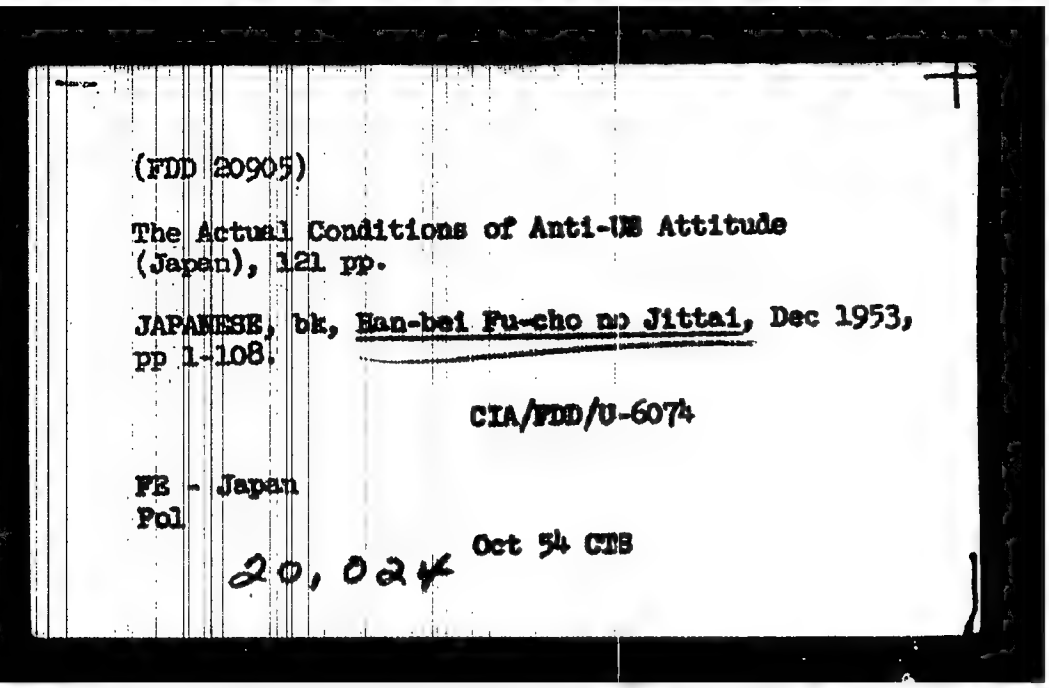

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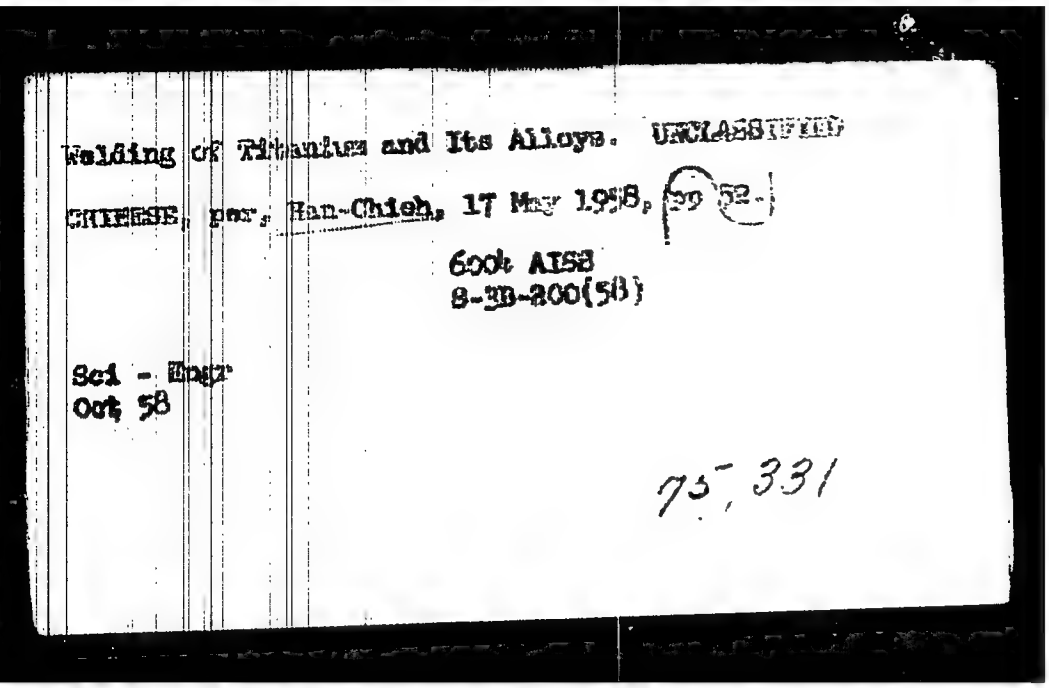

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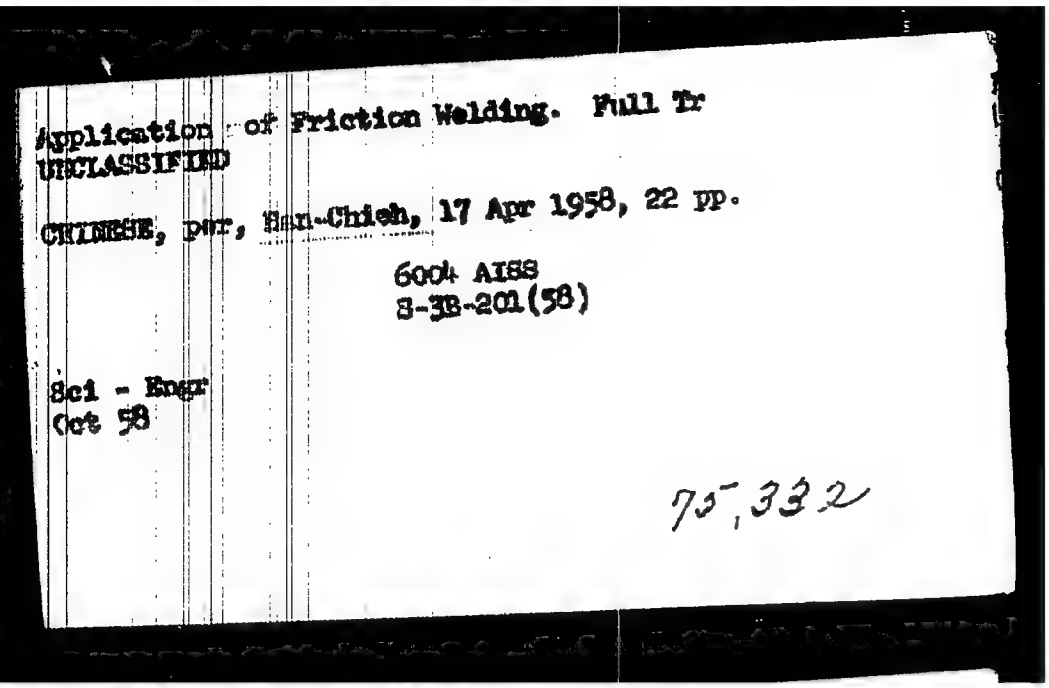

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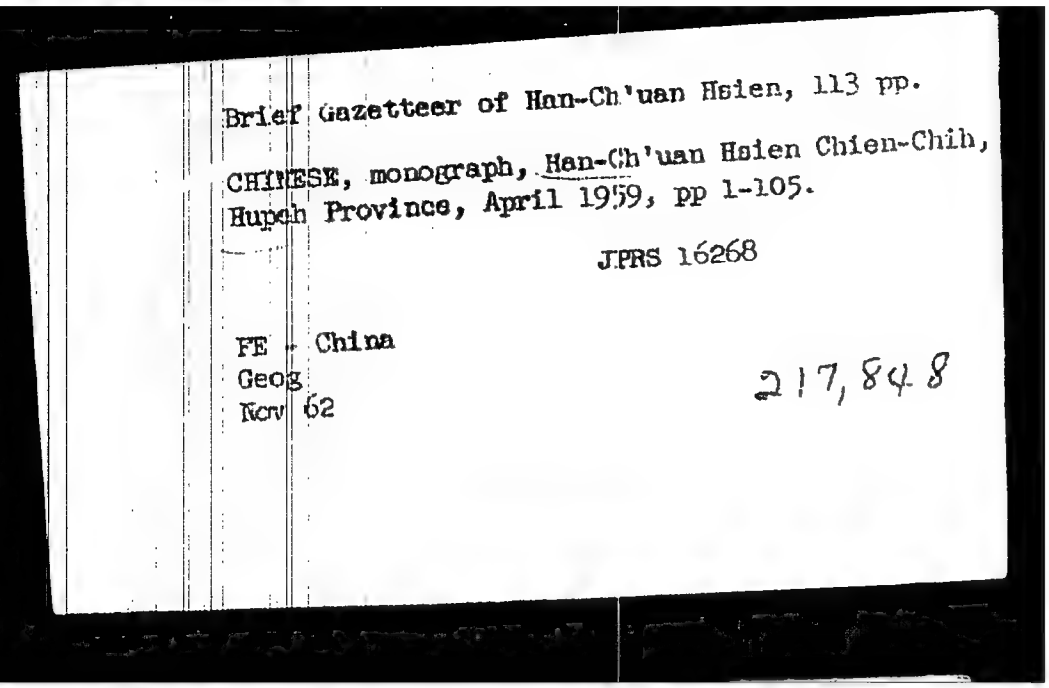

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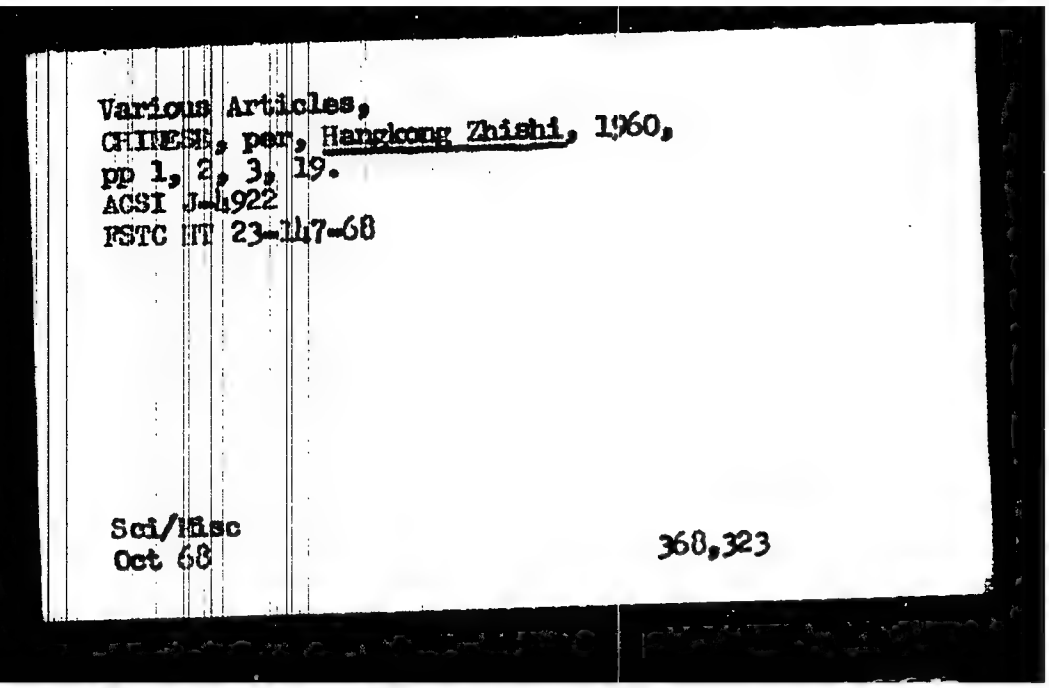

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pp 1, 2, 3, 19.
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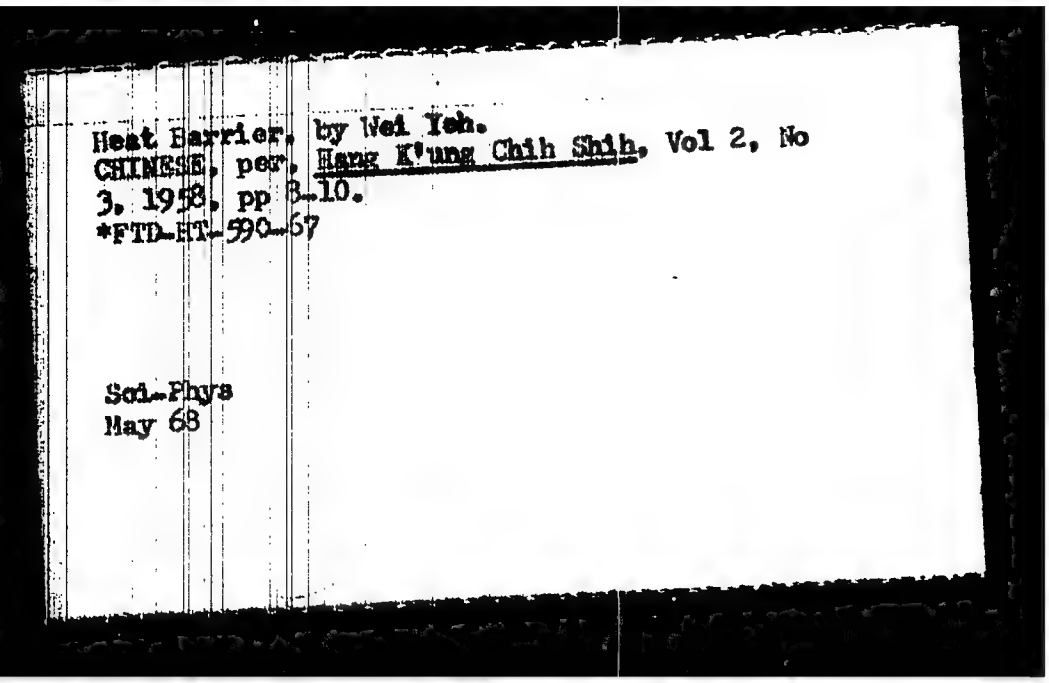

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CHINESE, per, Hang K'ung Chih Shih (Aeronautical Knowledge), No 1, 1960, pp 8-10.
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CHINESE, per, Hang K'ung Chih Shih, No 1, 1960
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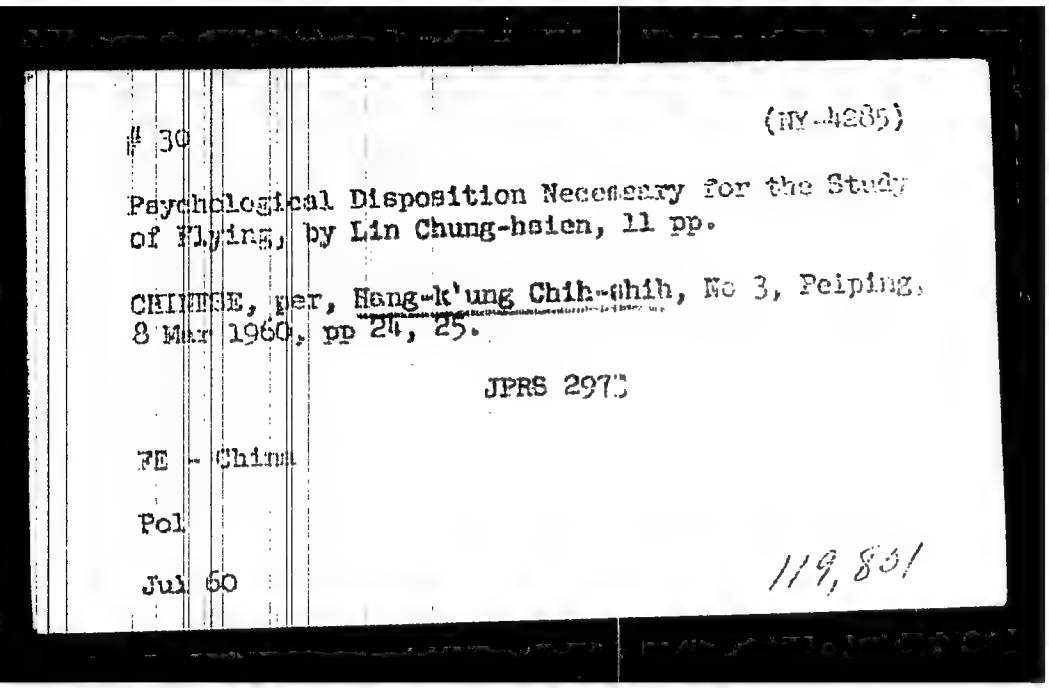

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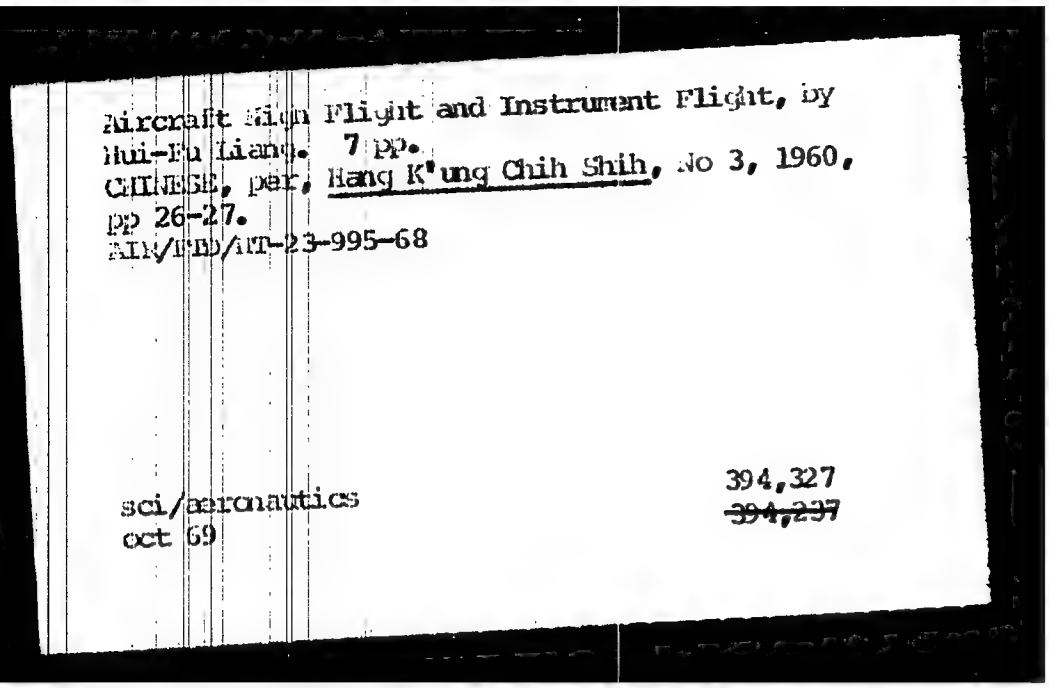

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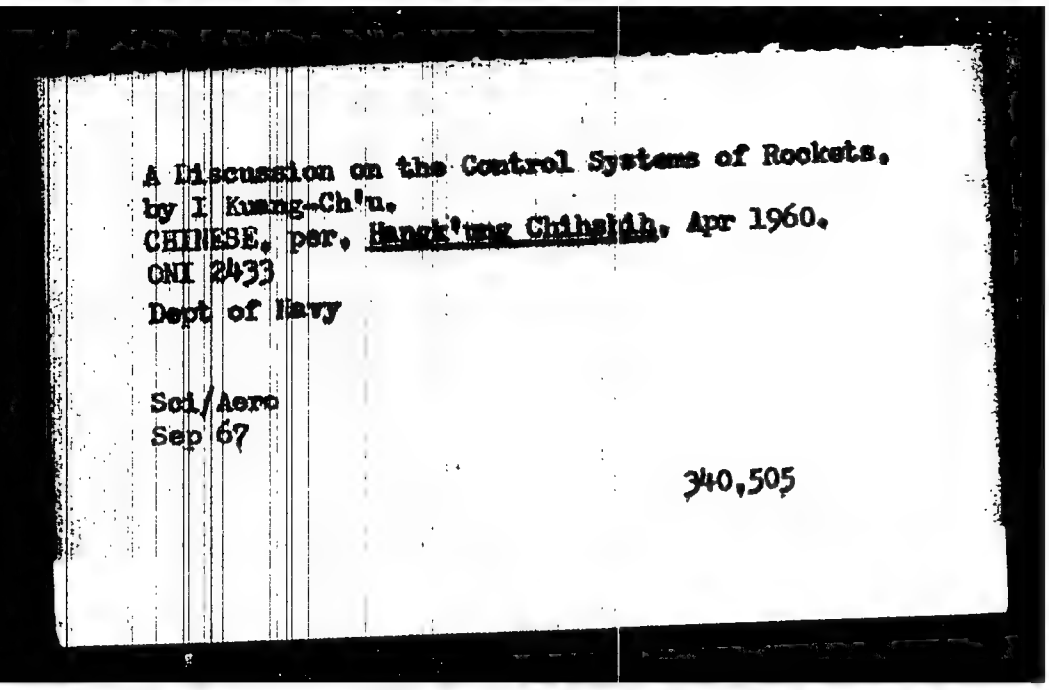

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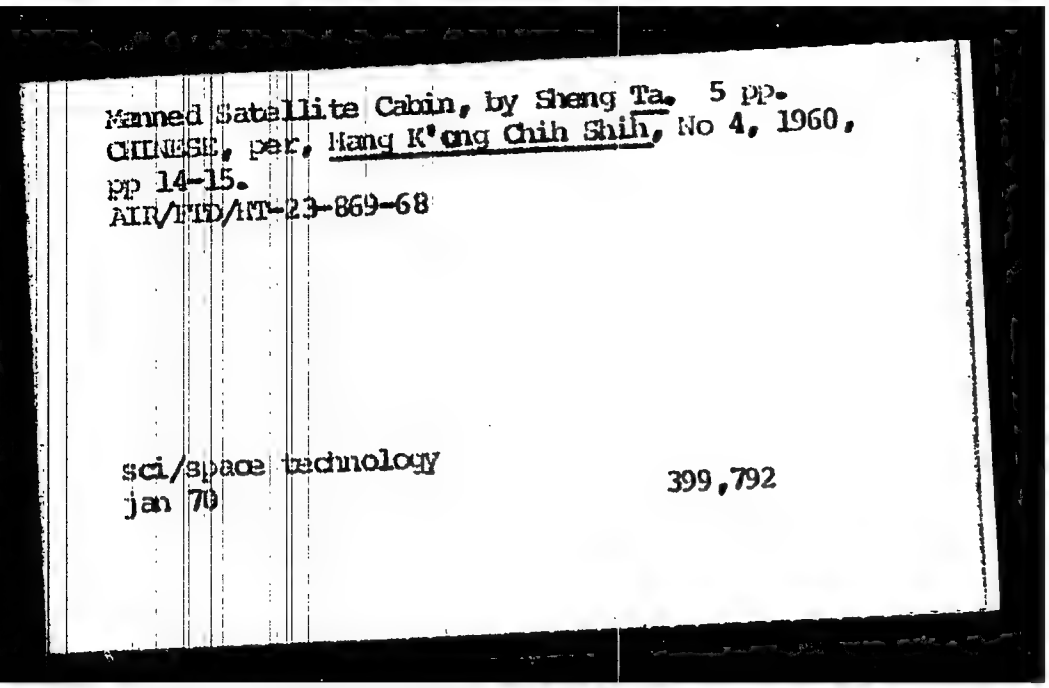

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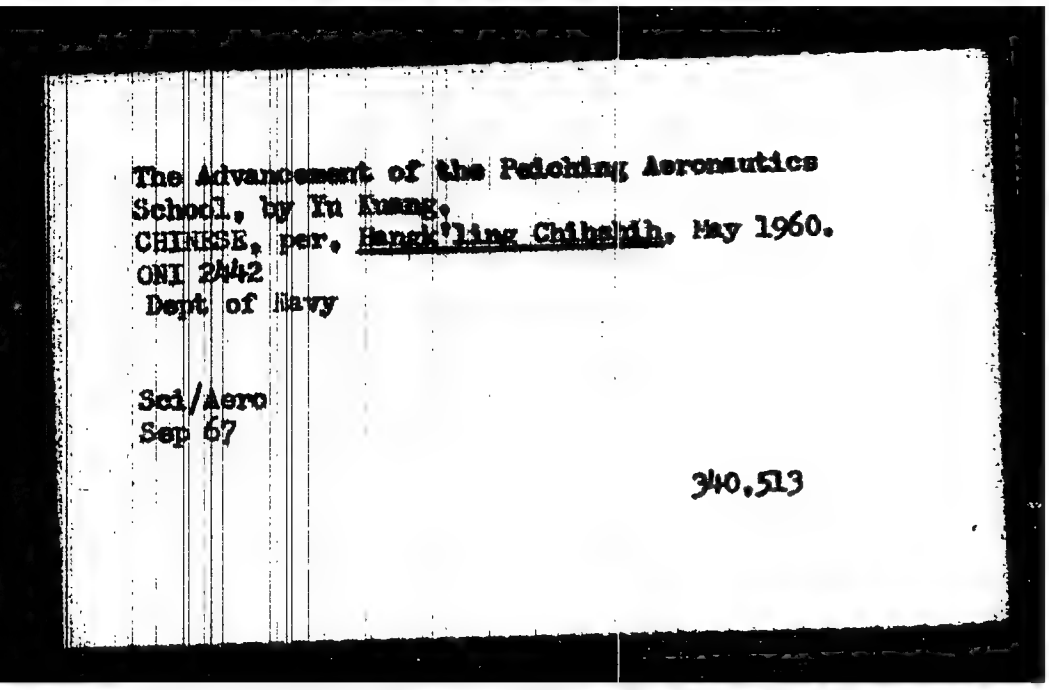

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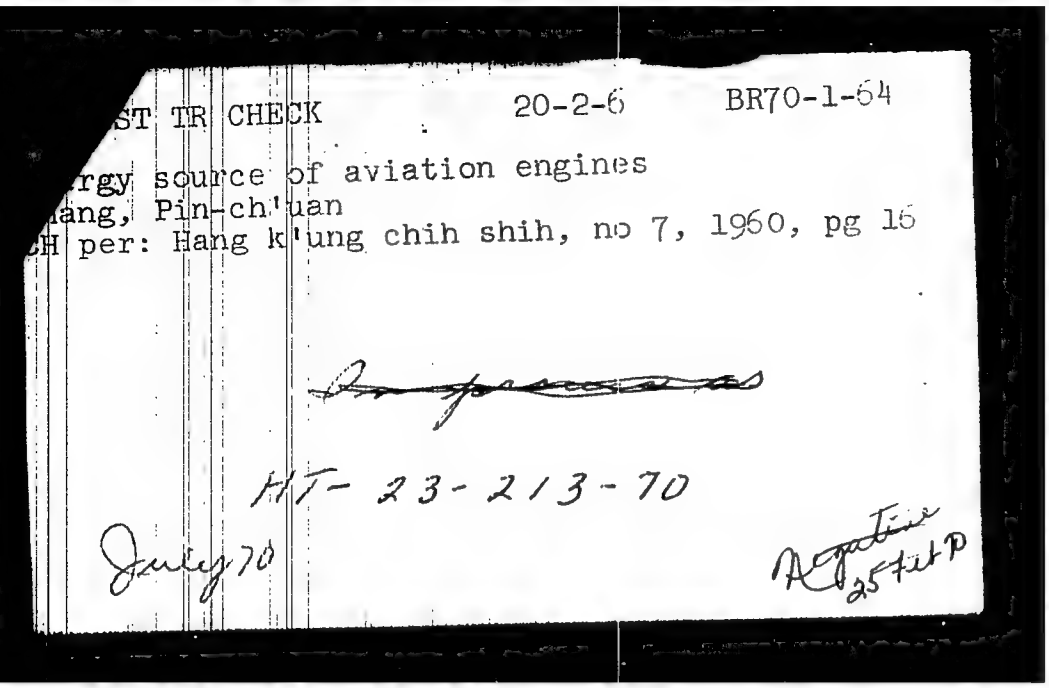

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ang, Pin-ch'uan
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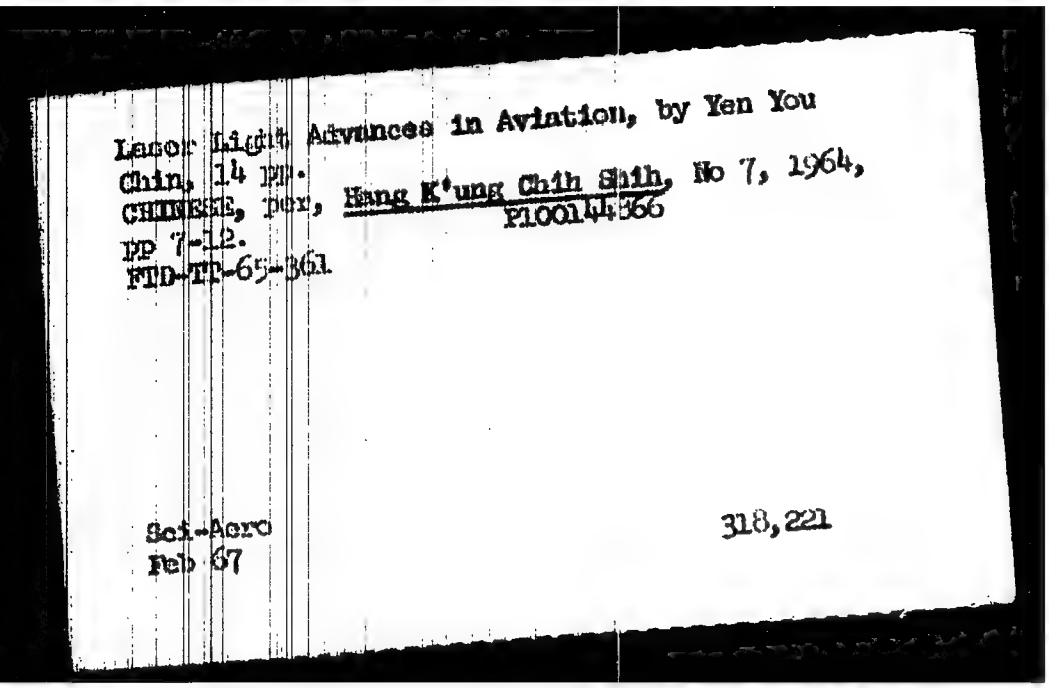

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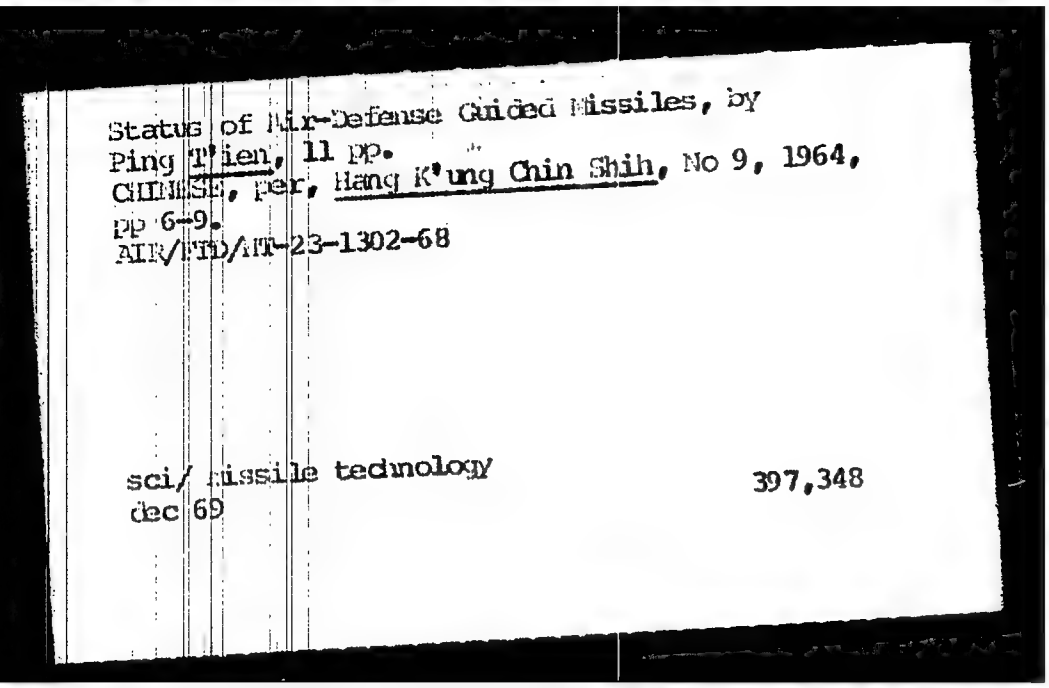

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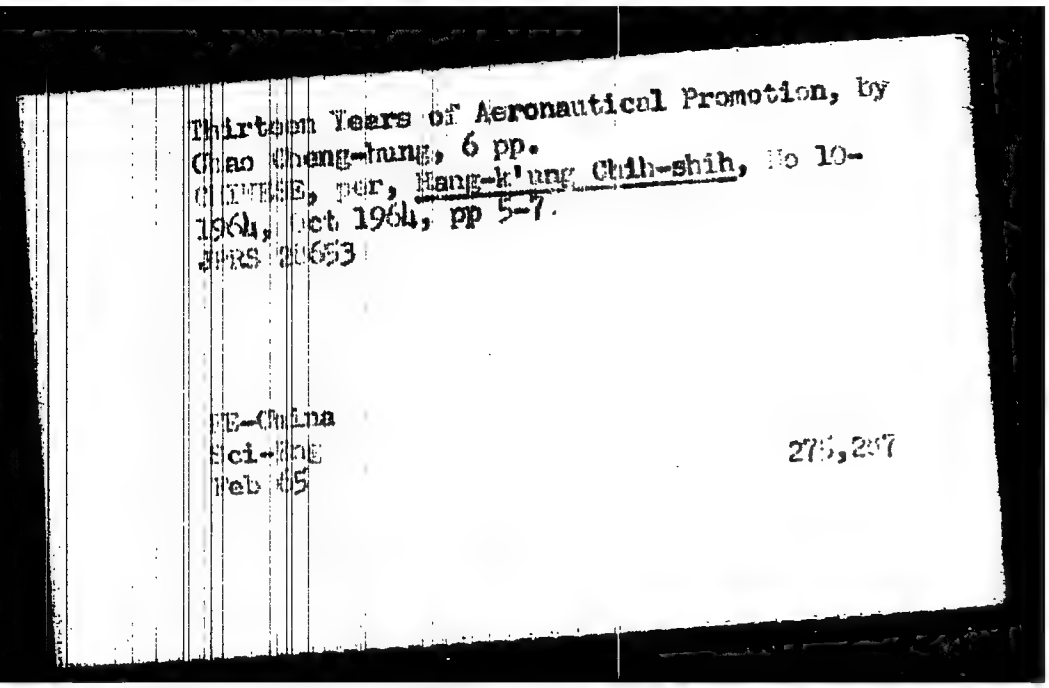

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JPRS 26653

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Sci-Tech
Feb 65

275,287

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scu/propulsion and fuels
apr 69

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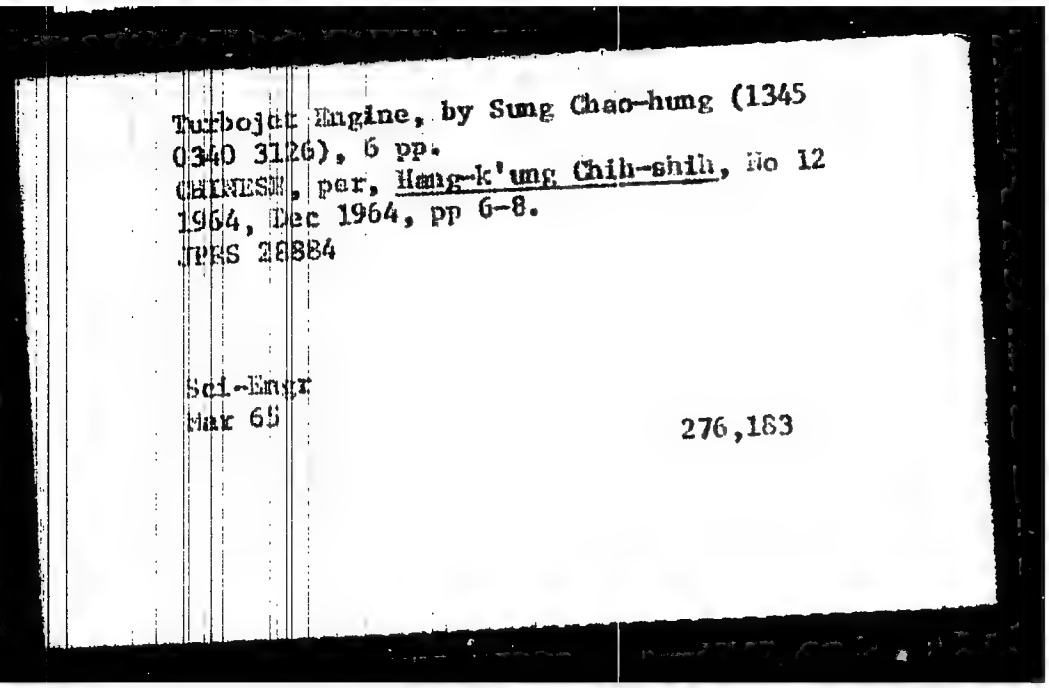

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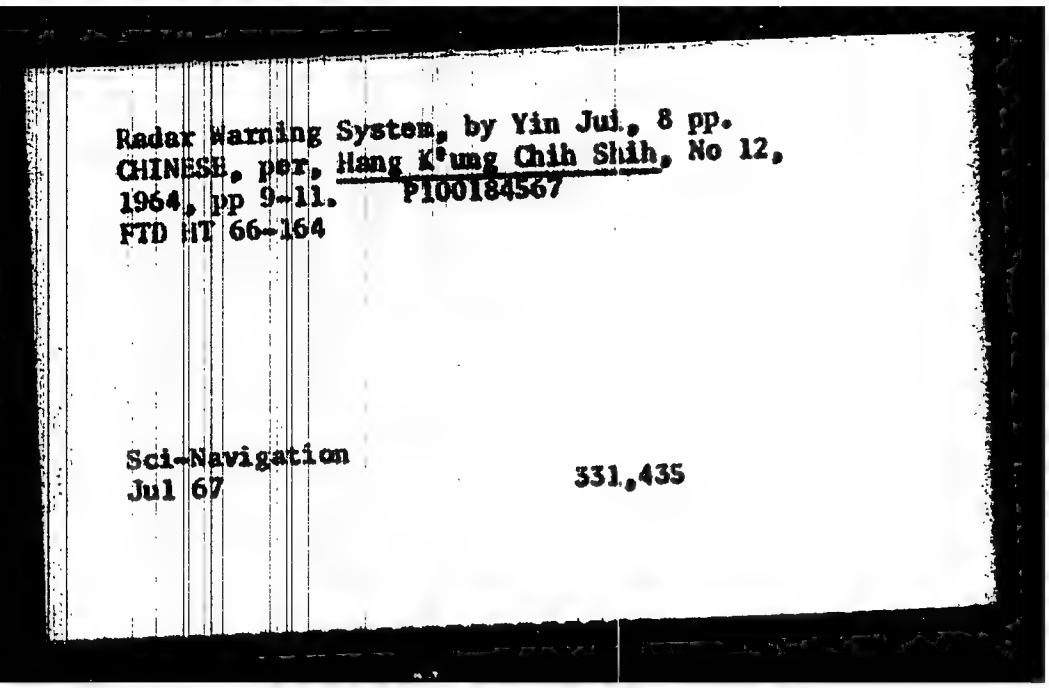

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Pol; Bio - Reassignments of bank personnel

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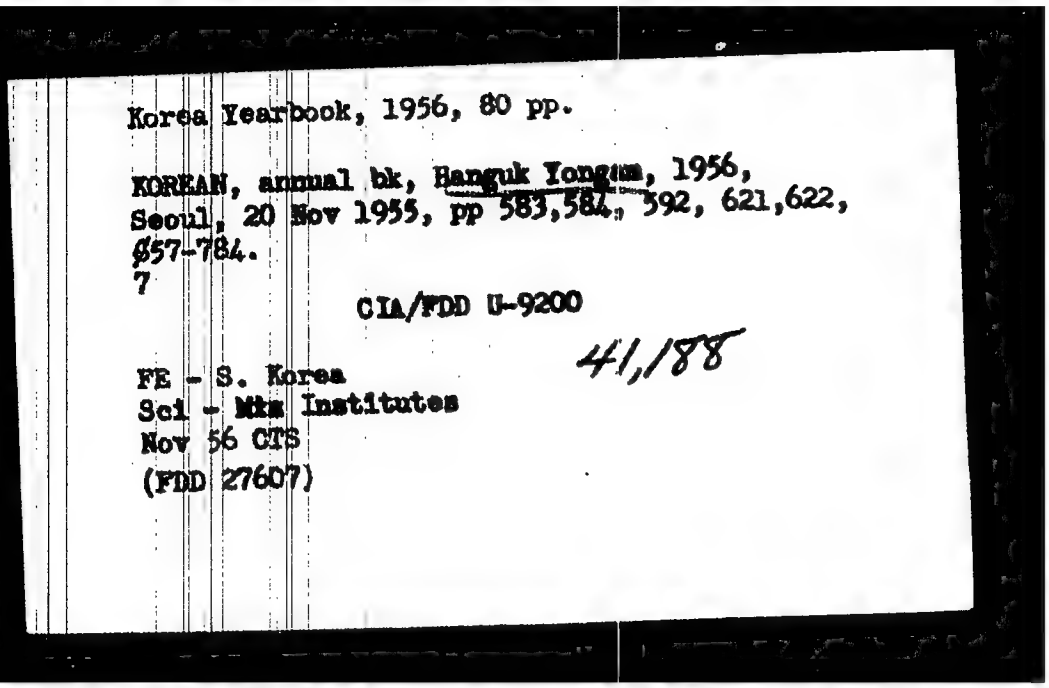

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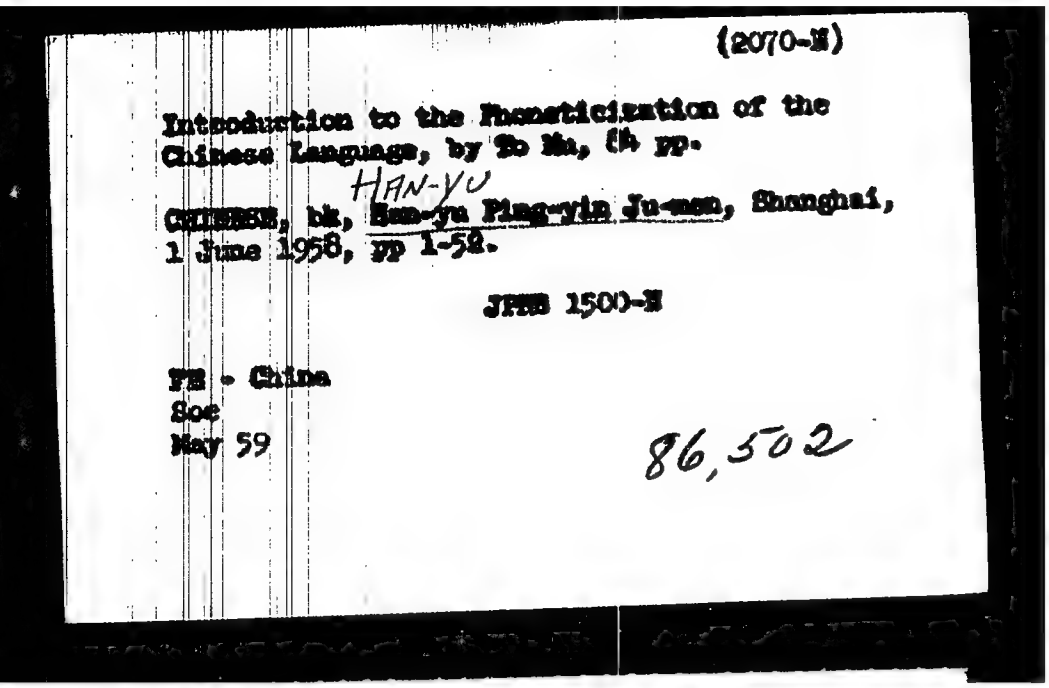

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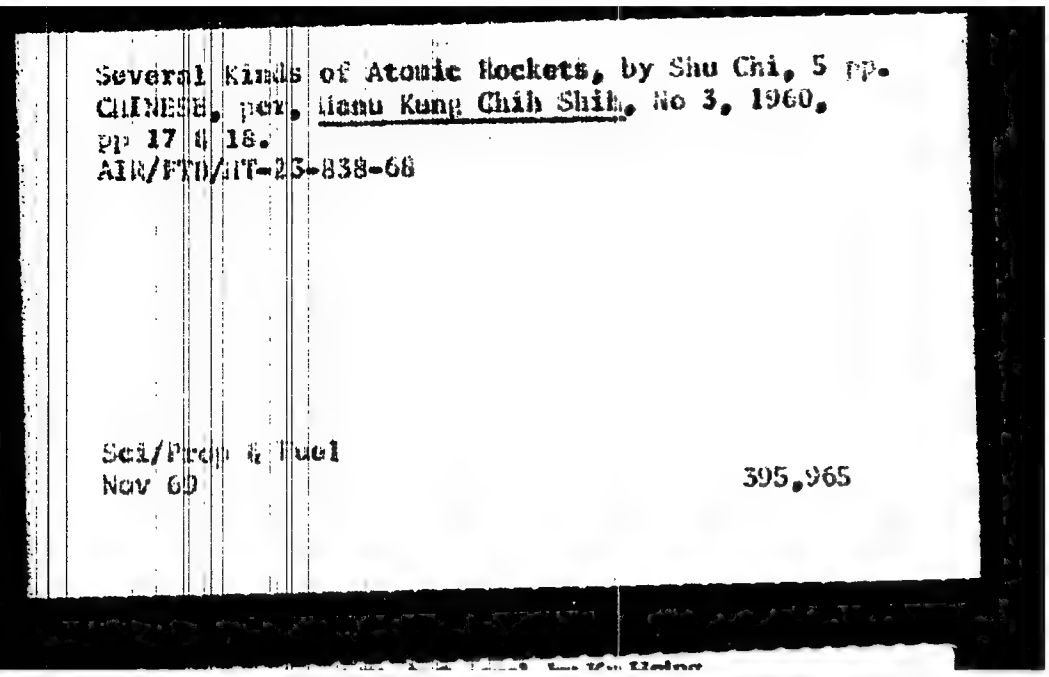

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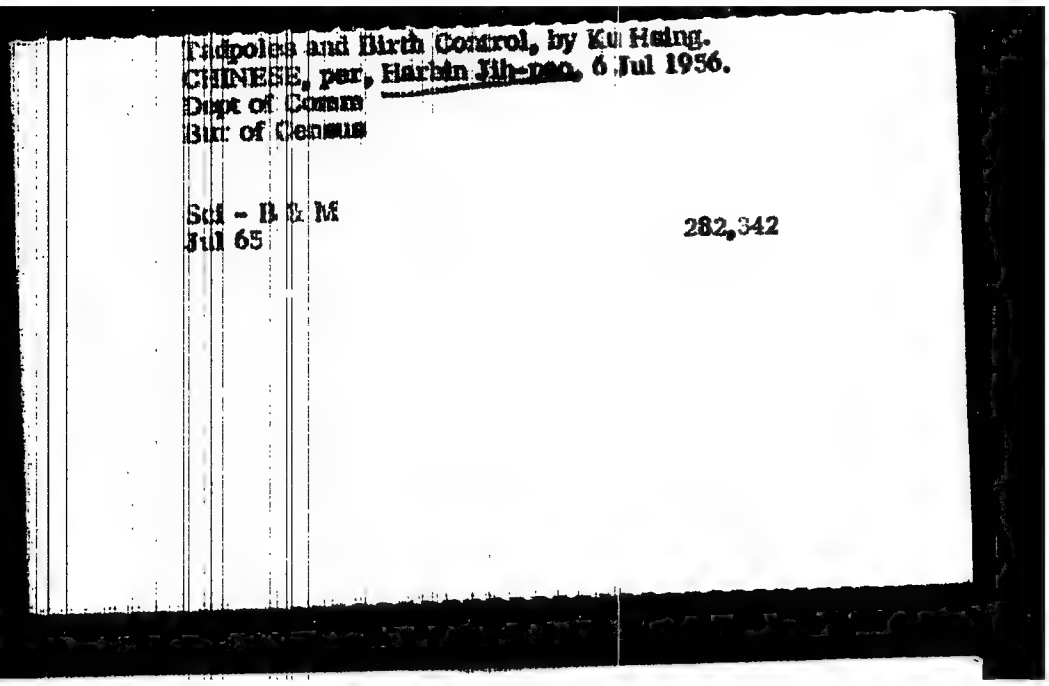

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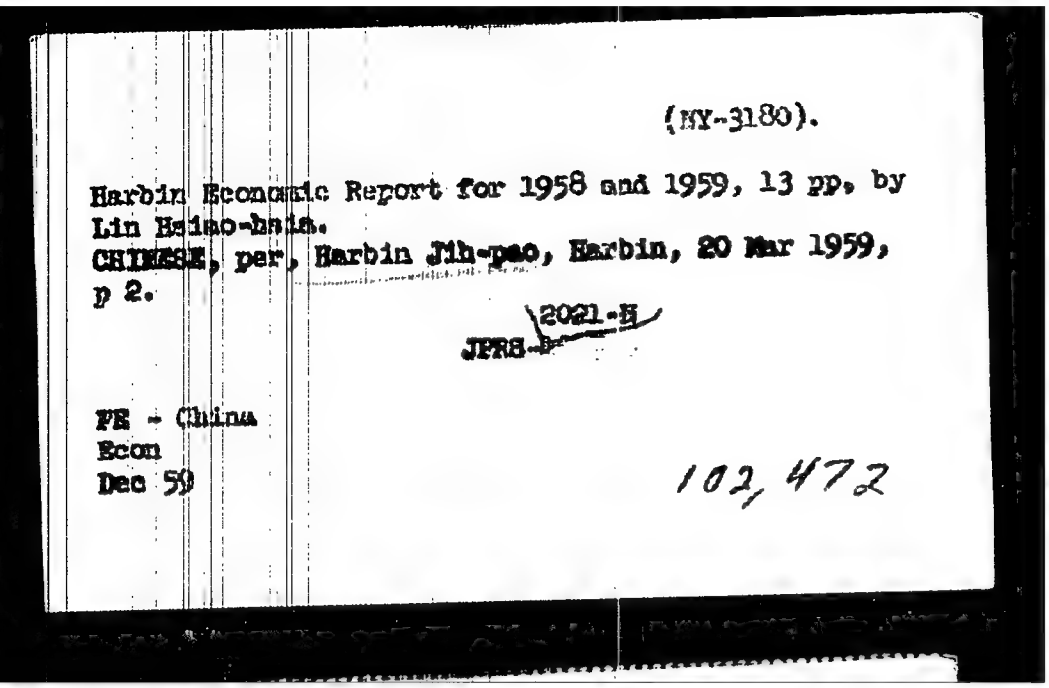

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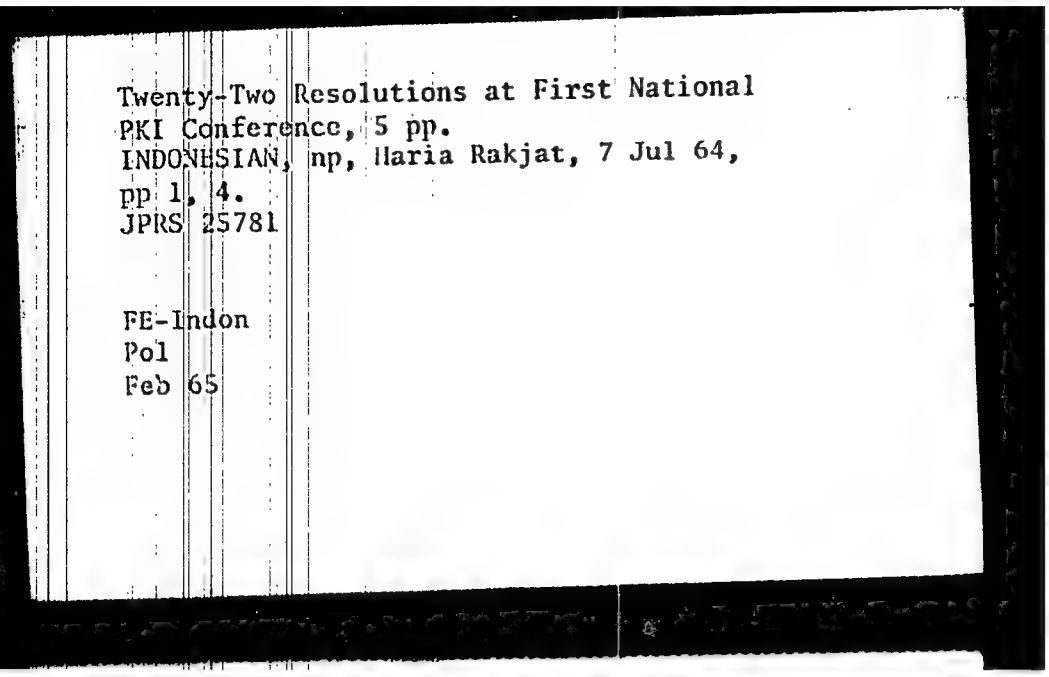

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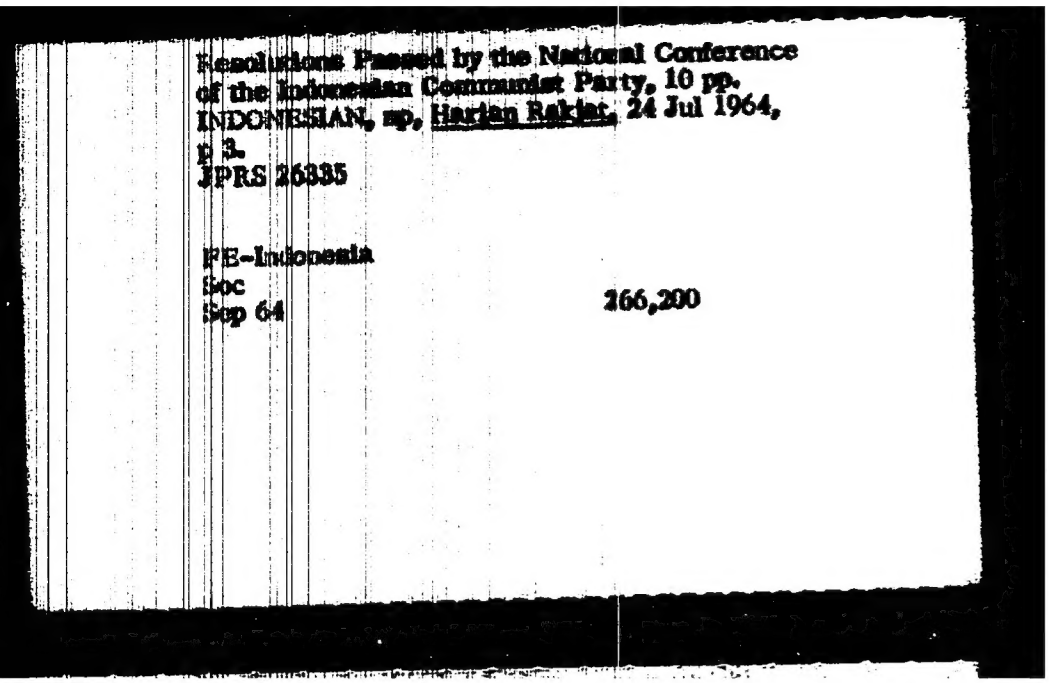

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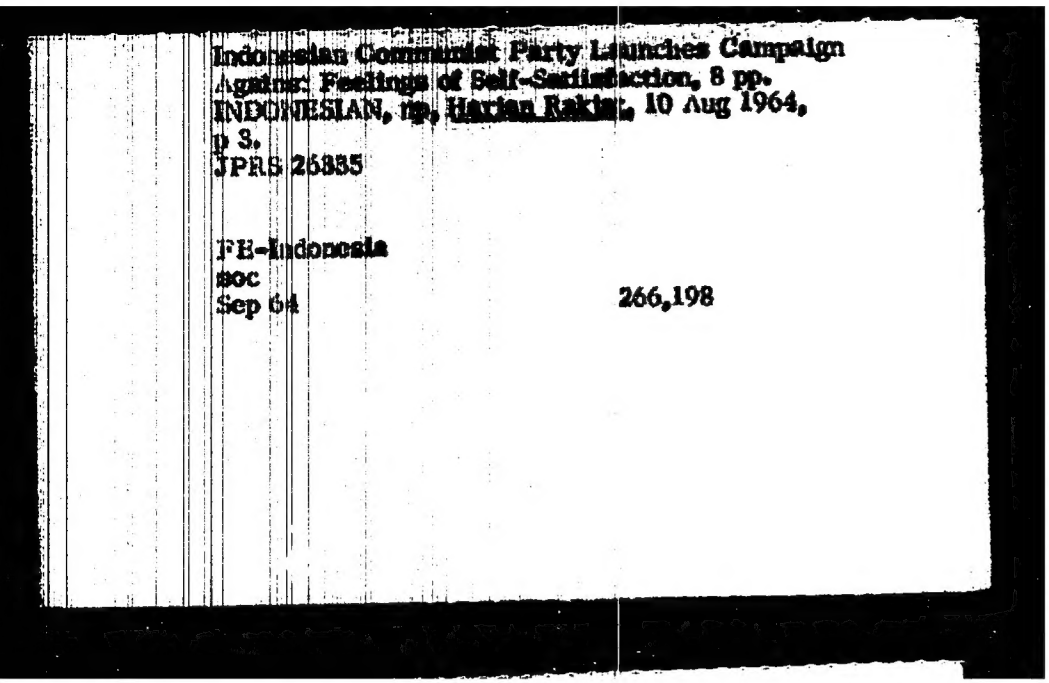

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